

Project:

### EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive

Plainville, CT 06062

(860) 747-8822

07MD806

Phone: (860) 747-6181

EMSL Proj: Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Received:

12/28/2010

041029468

LOUR62

12/22/10 11:15 AM

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	
AB-001 041029468-0001	BUILDING 2A EAST WALL - GRAY/ TAN CAULK ON WIDE FLANGE BEAM IN CONCRETE BLOCK WALL	Gray /Tan Fibrous Homogeneous	99.0	None	1.5% Chrysotile	
AB-002 041029468-0002	BUILDING 2A SOUTH WALL - GRAY/ TAN CAULK ON WIDE FLANGE BEAM IN CONCRETE BLOCK WALL	Gray /Tan Non-Fibrous Homogeneous	99.0	None	0.9% Chrysotile	
AB-008 041029468-0008	- GASKET ON BOILER FLANGE	Tan Fibrous Homogeneous	64.0	35.7 Glass	No Asbestos Detected	
AB-013 041029468-0013	EXTERIOR DOOR TO BOILER ROOM - CAULK ON METAL DOOR FRAME	Tan /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
AB-014 041029468-0014	SOUTHWEST CORNER OF BOILER ROOM - CAULK ON METAL FRAME OF WALL LOUVER	Gray Non-Fibrous Homogeneous	100.0 None		No Asbestos Detected	
AB-015 041029468-0015	SOUTH WALL OF BOILER ROOM - GRAY/ WHITE CAULK IN MASONRY EXPANSION JOINT	Gray /Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

nitial	report from	12/28/2010	12:42:44
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Analyst(s)

Dave Poitras (8)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-017 041029468-0017	SOUTH WALL OF RECEIVING AREA - GRAY/ TAN CAULK ON WIDE FLANGE BEAM IN CONCRETE BLOCK WALL	Gray /White Fibrous Homogeneous	99.0	None	1.5% Chrysotile
AB-024 041029468-0024	SOUTHEAST CORNER OF BULIDING 1A - GRAY/ TAN CAULK ON WIDE FLANGE BEAM IN CONCRETE BLOCK WALL	White /Green Fibrous Homogeneous	99.0	None	0.7% Chrysotile

Initial report from 12/28/2010 12:42:44

Analyst(s)

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EMSL Proj:

Analysis Date:

12/28/2010

# Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asb	<u>estos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-003 041029468-0003	BUILDING 2A SOUTH WALL - FOAM INSULATION BEHIND CAULK ON WIDE FLANGE BEAM	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
AB-004 041029468-0004	BUILDING 3 - CLOTH WRAP ON 2" FIBERGLASS PIPE INSULATION	Brown Fibrous Heterogeneous	60% 30%	Cellulose Glass	10% Non-fibrous (other)	None Detected
AB-005 041029468-0005	BOILER ROOM - CLOTH WRAP ON HOT WATER TANK	Tan/White Fibrous Heterogeneous	60%	Glass	40% Non-fibrous (other)	None Detected
AB-006 041029468-0006	BOILER ROOM - MUDDED INSULATION ON HOT WATER TANK	Brown Fibrous Homogeneous	30%	Min. Wool	70% Non-fibrous (other)	None Detected
AB-007 041029468-0007	BOILER ROOM - CLOTH WRAP ON 4" FIBERGLASS PIPE INSULATION	Brown/Silver Fibrous Heterogeneous	35% 20%		45% Non-fibrous (other)	None Detected

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Analyst(s)

Dave Poitras (16)

Style Steps

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AiHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asb	estos	<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-009 041029468-0009	BOILER ROOM ADJACENT OT SOUTHER BOILER UNIT - MUDDED ELBOW ON 2" FIBERGLASS PIPE INSULATION	White Fibrous Homogeneous			60% Non-fibrous (other)	40% Chrysotile
AB-010 041029468-0010	NORTHERN BOILER UNIT - MUDDED INSULATION ON EXHAUST	Brown Fibrous Homogeneous	30%	Min. Wool	70% Non-fibrous (other)	None Detected
AB-011 041029468-0011	BOILER ROOM - CLOTH WRAP ON 18" FIBERGLASS PIPE INSULATION	Tan Fibrous Heterogeneous	40%	Glass	60% Non-fibrous (other)	None Detected
AB-012 041029468-0012	SOUTHERN BOILER UNIT EXHAUST - CLOTH WRAP ON FIBERGLASS INSULATION	Brown Fibrous Heterogeneous	60%	Cellulose	40% Non-fibrous (other)	None Detected

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Analyst(s)	Style Siegel
Dave Poitras (16)	Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Project: 07MD806

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EMSL Proj:

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12/28/2010

# Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Ash	estos	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-016 041029468-0016	ABOVE NORTHERN BOILER UNIT - 2" BLACK FOAM PIPE INSULATION	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
AB-018 041029468-0018	NORTH- CENTRAL PORTION OF BUILDING 7 - MUDDED FITTING ON 12" FIBERGLASS PIPE INSULATION	Gray Fibrous Heterogeneous			75% Non-fibrous (other)	25% Chrysotile
AB-019 041029468-0019	PARTS STORAGE ROOM - CLOTH WRAP ON 6" FIBERGLASS PIPE INSULATION	Brown Fibrous Heterogeneous	70%	Cellulose	30% Non-fibrous (other)	None Detected
AB-020 041029468-0020	MENS ROOM NORTH OF BUILDING 8 - PLASTER SKIM COAT	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected

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Dave Poitras (16)	Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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EMSL Proj:

Analysis Date:

12/28/2010

# Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample AB-021 041029468-0021				Asbestos				
	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type	
	MENS ROOM NORTH OF BUILDING 8 - PLASTER BASE COAT	Non-Fibrous Homogeneous		Ŷ		00% Non-fibrous (other)	None Detected	
AB-022 041029468-0022	MENS ROOM NORTH OF BUILDING 8 - FLOOR TILE GROUT	Brown Non-Fibrous Homogeneous			10	00% Non-fibrous (other)	None Detected	
AB-023 041029468-0023	MENS ROOM NORTH OF BUILDING 8 - MORTAR T O CERAMIC COVE BASE	Brown/White Non-Fibrous Heterogeneous			10	00% Non-fibrous (other)	None Detected	

nitial report from 12/28/2010 12:42:44	
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# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029468

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

Company : Loureiro Engineering Associates #: LOUR62					If Bill to is Different note instructions in Comments**					
Street: 100 Northwest Drive					Third Party Billing requires writte				n from third p	party
City: Plainville	State/Province: CT			Zip/Postal Code: 06062				Coun	try: USA	
Report To (Name): Ke	evin J. Bitiem	an		Fax #: 8	60-747-88	322				
		****		Email Ac	idress: k	kibitien	nan@loi	reiro.com	1	
Telephone #: 860-410	The second second second			Lillan Av	anooc	.,,				
Project Name/Number Please Provide Resu	r: 07MD806	⊠ Email	Purchase Order	r:		U.S.	State Sa	mples Take	n: PA	
Flease Flovide Hest	10.	Turna	round Time (TAT)		- Please (	Check				
3 Hours 61	Hours 🔲	24 Live	1 A8 Hre	1 3 Da	vs ID	X 4 D	ays	5 Days		0 Days
	ours, please call a	head to sche	dule.*There is a premiu completed in accordanc	im charge for with FMSI	3 Hour TEN 's Terms and	M AHER ad Condit	A or EPA l	evel II TAT. Y	ou will be asi ical Price Gui	de.
	rm for this service	s. Analysis (	TEM - Air	o war Lines.	5 TOTTIO GITE	1	TEM- Du	st		
PCM - Air			☐ AHERA 40 CF	B. Part 763	3	lī	Micro	ac - ASTM	D 5755	1
☐ NIOSH 7400 ☐ w/ OSHA 8hr. TWA	V		☐ NIOSH 7402			1.7		ASTM D64		1
			☐ EPA Level II			11.5		t Sonication		1-93/167)
PLM - Bulk (reporting			☐ ISO 10312					k/Vermiculi		
☑ PLM EPA 600/R-93			TEM - Bulk					CARB 435 -		ensitivity)
☑ PLM EPA NOB (<1	%)		T TEM EPA NOB	t				ARB 435 -		5 5.0
Point Count	000 ( -0 19/ )		☐ NYS NOB 198.		ble-NY)			CARB 435 -		
☐ 400 (<0.25%) ☐ 10			☐ Chatfield SOP	+ (non ma	010 1117			CARB 435 -		
			☐ TEM Mass Ana	lysis-FPA	600 sec. 2			rotocol (Ser		
☐ 400 (<0.25%) ☐ 10			TEM - Water: EP					Protocol (Quantitative)		
NYS 198.1 (friable			-				Other:	7. 20		
☐ NYS 198.6 NOB (r				Waste Drinking			22 375			
■ NIOSH 9002 (<1%)	)	ale Can D		early Identify Homogenous Group				1773		
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Samplers Hame. Ite	I Ditjemi					Т	Volume	Area (Air)	Date	Time
Sample #			Sample Descriptio				HA#	(Bulk)	Sam	pled
AB-001	2A east wall.		flange beam in conc				Bulk		12/20/10	BONF
			flange beam in conc	rete block v	vall. Build	ling	Bulk		12/20/10	7000
AB-002	2A south wal	l.	caulk on wide flange	heam Ru	ilding 2A	-+	Duik		12420110	
AB-003	south wall.	ion benina	came on wide nange	e Death. Du	inding 2A		Bulk		12/20/10	1
AB-003	South wan.								uo voetas o	
AB-004	Cloth wrap o	n 2" fiberg	lass pipe insultaion.	<b>Building 3</b>		_	Bulk		12/20/10	1
AB-005	Cloth wrap o	n hot wate	r tank. Boiler room.				Bulk		12/20/10	1 PM
A D 006	Mudded insu	lation on h	ot water tank. Boile	r room.			Bulk		12/20/10	1
AB-006		-							12/20/10	ا ل
AB-007	Cloth wrap o	on 4" fiberg	lass pipe insulation.	Boiler roo	m.	-	Bulk		12/20/10	900
AB-008	Gasket on bo	iler flange.					Bulk		12/20/10	- 40B
Client Sample # (s):	AB-001		- A	B-024		T	otal # of	Samples:	24	
Relinquished (Client	): 1/1	But	Date:	12	1211	//0		Time	: 17:	00
Received (Lab):	UB OU	X-111	Date:	19.	79-11	0	imatria	Time	9:	
Comments/Special I	nstructions:	Analyze N	OB samples by EF	A/600/H-9	3/116 With	n Grav	metric	rep.		
										V. 1



### **Asbestos Chain of Custody** EMSL Order Number (Lab Use Only):

041029468

EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/A HA # (		Date/Time Sampled	
AB-009	Mudded elbow on 2" fiberglass pipe insulation. Boiler room adjacent to southern boiler unit.	Bulk		12/20/10	
AB-010	Mudded insulation on exhaust for northern boiler unit.	Bulk		12/20/10	
AB-011	Cloth wrap on 18" fiberglass pipe insulation. Boiler room.	Bulk		12/20/10	
B-012	Cloth wrap on fiberglass insulation. Southern boiler unit exhaust.	Bulk		12/20/10	-
AB-013	Caulk on metal door frame. Exterior door to boiler room.	Bulk		12/20/10	
AB-014	Caulk on metal frame of wall louver. Southwest corner of boiler room.	Bulk		12/20/10	A
AB-015	Gray/white caulk in masonry expansion joint. South wall of boiler room.	Bulk		12/20/10	
AB-016	2" black foam pipe insulation. Above northern boiler unit.	Bulk		12/20/10 - PLO	1
AB-017	Gray/tan caulk on wide flange beam in concrete block wall. South wall of receiving area.	Bulk		12/20/10 - NO	8
AB-018	Mudded fitting on 12" fiberglass pipe insulation. North-central portion of Building 7.	Bulk		12/20/10	
AB-019	Cloth wrap on 6" fiberglass pipe insulation. Parts storage room.	Bulk		12/20/10	7
AB-020	Plaster skim coat. Mens room north of Building 8.	Bulk		H220/10	
AB-021	Plaster base coat. Mens room north of Building 8.	Bulk		12/20/10	
AB-022	Floor tile grout. Mens room north of Building 8.	Bulk		i2/20/10	
AB-023	Mortar to ceramic cove base. Mens room north of Building 8.	Búlk		12/20/10	
AB-024	Gray/tan caulk on wide flange beam in concrete block wall. Southeast corner of Building 1A.	Bulk		12/20/10	3
*Comments/Spec	cial Instructions: Analyze NOB samples by EPA/600/R-93/116 with G	ravimetric	Prep.	MSLANALY	Saldway.
	Page <u>2</u> of <u>2</u> pages			TICAL I	55774



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SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-025 041029476-0001	FIRE DOOR BETWEEN BUILDING 3A AND 1A - CAULK ON METAL DOOR FRAME	White /Red /Green Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-026 041029476-0002	ROOF LEVEL NEAR BUILDING 8 - GLAZING ON FACTORY OFFICE WINDOWS	White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-027 041029476-0003	CENTRAL UNIT - CAULK ON METAL FRAME OF ROOF ACCESS DOOR	Gray /Green Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-028 041029476-0004	NORTH SIDE OF BUILDING 8 ROOF - TAR PITCH UNDER 1" FOAM BOARD INSULATION	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-031 041029476-0007	BUILDING 9 SOUTH PARAPET WALL - MASTIC TO RUBBER FLASHING	Brown Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-032 041029476-0008	BUILDING 9 ROOF - TAR PITCH ON METAL DECKING	Gray /Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected

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Analyst(s)

Alexis Turner (18)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-035 041029476-0011	ROOF ABOVE BUILDING 8 - GRAY CAULK ON FLANGE OF CENTRAL EXHAUST DUCT	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-036 041029476-0012	NORTH SIDE OF BUILDING 8 ROOF - DARK GRAY CAULK ON EXHAUST HOOD	Gray /Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-037 041029476-0013	BUILDING 6 ROOF - TAR COATING ON EXHAUST DUCT	Black Non-Fibrous Homogeneous	98.0	None	2.5% Chrysotile
AB-038 041029476-0014	NORTH SIDE OF BUILDING 8 ROOF - BLACK CAULK ON EXHAUST DUCT	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-039 041029476-0015	BUILDING 2 - TAR PITCH BENEATH GRAVEL BALLAST / BUILT UP ROOFING SYSTEM	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-040 041029476-0016	BUILDING 2 - TAR PITCH BETWEEN LAYERS OF ASPHALT ROOFING PAPER / BUILT UP ROOFING SYSTEM	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected

Analyst(s)	Style Siegel
Alexis Turner (18)	Stephen Siegel, CIH, Laboratory Manager

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872

Initial report from 12/28/2010 13:57:15



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

Customer ID: Customer PO: LOUR62

100 Northwest Drive Plainville, CT 06062

Received:

12/22/10 11:15 AM

EMSL Order:

041029476

(860) 747-8822 Fax: Project: 07MD806

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

12/28/2010

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-041 041029476-0017	BUILDING 2 - TOP LAYER OF ASPHALT ROOFING PAPER/ BUILT UP ROOFING SYSTEM	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-042 041029476-0018	BUILDING 2 - BOTTOM LAYER OF ASPHALT ROOFING PAPER/ BUILT UP ROOFING SYSTEM	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-044 041029476-0020	RECEIVING AREA - GLAZING ON ROOF LEVEL WINDOWS	Gray Non-Fibrous Homogeneous	100.0	None	<0.25% Chrysotile
AB-045 041029476-0021	RECEIVING AREA - CAULK ON ROOF LEVEL WINDOW FRAMES	Gray / Green Non-Fibrous Homogeneous	95.0	None	4.6% Chrysotile
AB-046 041029476-0022	ROOF ABOVE RECEIVING AREA - BLACK RUBBER SEALANT ON ROOF DRAIN	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-047 041029476-0023	SOUTH SIDE OF BUILDING 3 ROOF - TAR PITCH ON METAL DECKING BELOW 1" FOAM BOARD INSULATION	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected

Initial report from 12/28/2010 13:57:15

Analyst(s)

Alexis Turner (18)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Project: 07MD806

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LOUR62

Customer PO: Received:

12/22/10 11:15 AM

EMSL Order:

041029476

EMSL Proj:

Analysis Date:

12/28/2010

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Asbestos			
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-029 041029476-0005	NORTH SIDE OF BUILDING 8 ROOF - BROWN PAPER ON FOAM BOARD INSULATION	Gray/Yellow Fibrous Heterogeneous	40% 20%		40% Non-fibrous (other)	None Detected
AB-030 041029476-0006	NORTH SIDE OF BUILDING 8 ROOF - BROWN FIBEROUS MATERIAL ON METAL DECKING BENEATH FOAM BOARD INSULATION	Brown Fibrous Heterogeneous	100%	Cellulose	0% Non-fibrous (other)	None Detected
AB-033 041029476-0009	BUILDING 9 ROOF - BROWN FIBEROUS MATERIAL ON METAL DECKING BENEATH FOAM BOARD	Brown Fibrous Heterogeneous	100%	Cellulose	0% Non-fibrous (other)	None Detected
AB-034 041029476-0010	BUILDING 9 ROOF - AMBER PLASTIC MATERIAL BELOW FOAM BOARD	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	None Detected

Initial report from 12/28/2010 13:57:15

Analyst(s)

Alexis Turner (6)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Test Report PLM-7.21.0 Printed: 12/28/2010 1:57:15 PM



200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 786-5974 Email: westmontasblab@EMSL.com Phone: (800) 220-3675

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Received:

12/22/10 11:15 AM

Plainville, CT 06062

EMSL Order:

041029476

(860) 747-8822 Fax: Project: 07MD806

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

12/28/2010

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-043 041029476-0019	BUILDING 2 - TAN FIBEROUS MATERIAL ON METAL DECKING/ BUILT UP ROOFING SYSTEM	Gray Fibrous Heterogeneous	60% 25%		15% Non-fibrous (other)	None Detected
AB-048 041029476-0024	SOUTH SIDE OF BUILDING 3 ROOF - BROWN FIBEROUS MATERIAL ON METAL DECKING	Brown Fibrous Heterogeneous	100%	Cellulose	0% Non-fibrous (other)	None Detected

Initial report from 12/28/2010 13:57:15	
Analyst(s)	Style Sign!
Alexis Turner (6)	Stephen Siegel, CIH, Laboratory Manager

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

or other approved signatory



# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029476

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

Company : Loureir	o Engineering Assoc	iates #: LOUR62			Same Difference in Co			
Street: 100 Northw			Third Party Billing re	equires writte	an authorization	on from third p	arty	
City: Plainville	St	Zip/Postal Code: 0606	2	Cour	itry: USA			
Report To (Name): Kevin J. Bitjeman			Fax #: 860-747-8822					
Telephone #: 860-410-2904			Email Address: kjbit	eman@lo	ureiro.com		4	
Project Name/Num	ber: 07MD806			No.				
Please Provide Re		Email   Purchase Orde			imples Take	en: PA		
3 Hours	6 Hours 24 h	Turnaround Time (TAT)  Hrs	3 Days	Days ERA or EPA	5 Days Level II TAT.	You will be ask	Days ed to sign le.	
PCM - Air  NIOSH 7400  w/ OSHA 8hr. T		TEM - Air AHERA 40 CF NIOSH 7402		TEM- Du  ☐ Micro ☐ Wipe	st vac - ASTM - ASTM D64	st vac - ASTM D 5755 ASTM D6480		
PLM - Bulk (report	The second secon	EPA Level II		-	The second second second	(EPA 600/J	-93/16/)	
Point Count w/Gravimetric			OB PLM CARB 43 98.4 (non-friable-NY) TEM CARB 43 DP TEM CARB 43		CARB 435 - CARB 435 - CARB 435 - CARB 435 - CARB 435 -	Miculite  435 - A (0.25% sensitivity)  435 - B (0.1% sensitivity)  435 - B (0.7% sensitivity)  435 - C (0.01% sensitivity)  ol (Semi-Quantitative)		
☐ NYS 198.1 (fria		TEM - Water: EP	A 100.2	☐ EPA F	Protofol (Quantitative)			
☐ NYS 198.6 NOE	3 (non-friable-NY)		Waste Drinking	Other:	NN AB	2: 2		
□ NIOSH 9002 (<	1%)	Committee of the Commit	Waste Drinking	O C	0 0	- 61		
	☐ Check I	For Positive Stop - Cl	early identify Homogr	enous Gr	oup	Augusti.		
Samplers Name: K	Kevin J. Bitjeman		Samplers Signature:	ar a said	1000		1	
Sample #	BOOK TO	Sample Descriptio			Area (Air) (Bulk)	Date/ Samp		
AB-025	and 1A.	loor frame. Fire door be		Bulk		12/20/10 -	1	
AB-026	Glazing on factory 8.	office building windows.	Roof level near Building	Bulk		12/20/10	100	
AB-027	Caulk on metal fra	ame of roof access door. C	entral Unit.	Bulk		12/20/10	182	
AB-028	roof.	' foam board insulation. N		Bulk		12/20/10 -	1	
AB-029	roof.	oam board insulation. No		Bulk		12/20/10	LOLA	
AB-030	Brown fiberous m insulation. North	aterial on metal decking be side of Building 8 roof.	eneath foam board	Bulk	1-24	12/20/10	' '	
AB-031	Mastic to rubber flashing on Builing 9 south parapet wall.			Bulk		12/20/10	BUNE	
AB-032	Tar pitch on meta	l decking . Building 9 roof	4	Bulk		12/20/10	4715	
Client Sample # (s	): AB-025	- Al	B-048	Total # of	Samples:	24	1 3 3	
Relinquished (Clie	110	the Date:	12/21/10		Time	: 17:0	00	
Received (Lab):	DUR-6,	Date:	13-22.10	vimetric 5	Time	):		
Comments/Specia	n instructions: Analy	yze 1400 samples by Er	A 000/11-00/110 With Gre	THIOUIS I				



### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029476

EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

AB-033 inst  AB-034 Am  AB-035 Gra  AB-036 Dar	own fiberous material on metal decking beneath foam board ulation. Building 9 roof.  abor plastic material below foam board. Building 9 roof.  ay caulk on flange of central exhaust duct. Roof above Building 8.  ck gray caulk on exhaust hood. North side of Building 8 roof.	HA # (Bulk) Bulk Bulk	12/20/10 PC(
AB-035 Gra AB-036 Dar	ay caulk on flange of central exhaust duct. Roof above Building 8.		12/20/10
AB-035 Gra AB-036 Dar	ay caulk on flange of central exhaust duct. Roof above Building 8.		
AB-036 Dar		Bulk	12/20/10
AB-036 Dar		Bulk	12/20/10
	k gray caulk on exhaust hood. North side of Building 8 roof.		
R-037		Bulk	12/20/10
1ar	coating on exhaust duct. Building 6 roof.	Bulk	12/20/10
AB-038 Blac	ck caulk on exhaust duct. North side of Building 8 roof.	Bulk	3/4
		Duik	12/20/10
AB-039 Buil	pitch beneath gravel ballast. Built-up roofing system above lding 2.	Bulk	12720/10
AB-040 Tar syste	pitch between layers of asphalt roofing paper. Built-up roofing em above Building 2.	Bulk	12/20/10 A
AB-041 Top	layer of asphalt roofing paper. Built-up roofing system above ding 2.	Bulk	12/20/10
AB-042 Bott	tom layer of asphalt roofing paper. Built-up roofing system we Building 2.	Bulk	12/20/10
Tan abov	fiberous material on metal decking. Built-up roofing system ve Building 2.	Bulk	12/20/10 - PL
.B-044 Glaz	ting on roof level windows. Receiving area.	Bulk	12/20/10 7
.B-045 Caul	lk on roof level window frames. Receiving area.	Bulk	12/20/10
B-046 Blaci	k rubber sealant on roof drain. Roof above receiving area.	Bulk	12/20/10
Tarı	pitch on metal decking below 1" foam board insulation. South of Building 3 roof.	Bulk	12/20/10
B-048 Build	wn fiberous material on metal decking. South side of	Duik	-PIN



Project:

### EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive

Plainville, CT 06062

(860) 747-8822

Phone: (860) 747-6181

07MD806

EMSL Proj: Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Received:

12/28/2010

LOUR62

041029475

12/22/10 11:15 AM

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-049 041029475-0001	AIR HANDLING UNIT ON NORTHWEST SIDE OF BLDG 12 ROO - TAR COATING ON FIBERGLASS DUCT INSULATION	Black Non-Fibrous Homogeneous	95.0	None	4.7% Chrysotile
AB-050 041029475-0002	ROOF ABOVE BUILDING 12 - GRAY CAULK ON FLANGE OF CENTRAL EXHAUST DUCT	Gray /Yellow Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-051 041029475-0003	SOUTHEAST CORNER OF BUILDING 10 ROOF - WHITE BRITTLE CAULK ON 4" ALUMINUM FLASHING	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-053 041029475-0005	NORTH SIDE OF BUILDING 9 - CAULK ON METAL FRAME WINDOWS	Gray /Green Non-Fibrous Homogeneous	96.0	None	4.0% Chrysotile
AB-054 041029475-0006	GREEN EXTERIOR DOOR ON NORTHSIDE OF BLDG 10 - CAULK ON METAL DOOR FRAME	Gray /Green Non-Fibrous Homogeneous	94.0	None	5.7% Chrysotile
AB-055 041029475-0007	RED EXTERIOR DOOR ON NORTHSIDE OF BLDG 10 - CAULK ON METAL DOOR FRAME	Red Non-Fibrous Homogeneous	93.0	None	6.6% Chrysotile

Initial	reportf rom	12/28/2010	13:16:50

Analyst(s) Melissa Klinedinst( 18)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc.2 00 Route 130 North, Cinnaminson NJ NYS ELAP 10872

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LOUR62

12/22/10 11:15 AM

#### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-056 041029475-0008	NORTH SIDE OF BUILDING 10 - CAULK ON METAL FRAME WINDOWS	10 - CAULK ON METAL Non-Fibrous		None	7.4% Chrysotile
AB-058 041029475-0010	NORTH SIDE OF BUILDING 51 ROOF - BLACK CAULK ON 4" ALUMINUM FLASHING STRIP	Black Non-Fibrous Homogeneous	100.0	None	0.4% Chrysotile
suggestT	EM				
AB-060 041029475-0012	EAST SIDE OF BUILDING 50 ROOF - TAR ON TOP LAYER OF 1" FOAM BOARD	Black Non-Fibrous Homogeneous	100.0	None	<0.25% Chrysotile
suggestT	EM				
AB-061 041029475-0013	EAST SIDE OF BUILDING 50 ROOF - TAR ON BOTTOM LAYER OF 1" FOAM BOARD	Gray /Yellow Non-Fibrous Homogeneous	100.0	None	<0.25% Chrysotile
AB-062 041029475-0014	DECKING - TAR PITCH ON METAL DECKING	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-065 041029475-0017	SOUTHWEST SIDE OF BUILDING 50 - CAULK ON EXTERIOR METAL DOOR FRAME	Gray /Green Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
suggestT	EM - suspectf ibers				

Initial reportf rom	12/28/2010	13:16:50	
			_

Analyst(s)

Melissa Klinedinst (18)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-066 041029475-0018	NORTH EXTERIOR WALL OF BUILDING 50 - CAULK ON WIDE FLANGE BEAM	Gray /White Non-Fibrous Homogeneous	99.0	None	1.5% Chrysotile
AB-068 041029475-0020	EAST EXTERIOR WALL OF BUILDING 50 - CAULK ON WIDE FLANGE BEAM	Tan /White Non-Fibrous Homogeneous	98.0	None	1.6% Chrysotile
AB-069 041029475-0021			100.0	None	No Asbestos Detected
AB-070 041029475-0022	SOUTHEAST SIDE OF BUILDING 50 - ASPHALT SHINGLE ON SLOPED ROOF	White /Black Non-Fibrous Homogeneous	Non-Fibrous		No Asbestos Detected
AB-071 041029475-0023	PARAPET WAL ON Gray SOUTHEAST SIDE OF Non-Fibrous BUILDING 50 - GRAY CAULK UNDER WIDE FLANGE BEAM		96.0	None	4.5% Chrysotile
AB-072 041029475-0024	SOUTHEAST SIDE OF BUILDING 50 - CAULK ON 4" COPPER FLASHING AT BASE OF PARAPET WALL	Gray Non-Fibrous Homogeneous	91.0	None	8.9% Chrysotile

Analyst(s)	Styple Siegel		
Melissa Klinedinst( 18)	Stephen Siegel, CIH,L aboratory Manager		

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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asb	Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-052 041029475-0004	SOUTHEAST CORNER OF BUILDING 10 ROOF - FOAM BOARD PAPER WITH ALUMINUM FOIL COATING	Tan/Silver Fibrous Heterogeneous	15%	Glass	85% Non-fibrous (other)	None Detected
AB-057 041029475-0009	NORTHEAST SIDE OF BUILDING 10 - YELLOW CORRUGATED TRANSITE ROOFING	White Fibrous Heterogeneous	80%	Glass	20% Non-fibrous (other)	None Detected
AB-059 041029475-0011	EAST SIDE OF BUILDING 51 UPPER ROOF - 0.5" WHITE GYPSUM BOARD UNDER RUBBER MEMBRANE	Beige Fibrous Heterogeneous	10%	Glass	90% Non-fibrous (other)	None Detected
AB-063 041029475-0015	BUILDING 50 - 2' X 4' SUSPENDED CEILING TILE	Tan/White Fibrous Heterogeneous	45% 25%	Cellulose Min.W ool	30% Non-fibrous (other)	None Detected
AB-064 041029475-0016	EAST WALL OF BUILDING 50 - SHEET ROCK	Gray/Tan Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	None Detected

Analyst(s)

Melissa Klinedinst (6)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, I nc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, A IHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



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Analysis Date:

12/28/2010

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Ast	estos		Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
AB-067	NORTH	Brown	97%	Cellulose		3% Non-fibrous (other)	None Detected
041029475-0019	EXTERIOR WALL OF BUILDING 50 - BROWN/BLACK FIBEROUS INSULATION BEHIND CAULK ON WIDE FLANGE BEAM	Fibrous Heterogeneous					

nitial reportf rom 12/28/2010 13:16:50	
Analyst(s)	Styple_ Siegel
Melissa Klinedinst (6)	Stephen Siegel, C IH, Laboratory Manager

Stephen Siegel, C IH, Laboratory Manager or other approved signatory

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# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029475

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

				ELLO:	Dill 4 KZ L	Come [] Di	Harant	
Company : Loureiro Engineering Associates #: LOUR62					Same Different instructions in Comments**			
Street: 100 Northwes	st Drive			Third Party Billing re	equires writ	en authorization	on from third p	arty
City: Plainville		State/P	rovince: CT	Zip/Postal Code: 0606	Cour	ntry: USA		
Report To (Name): H	Kevin J. Bitjema	ın		Fax #: 860-747-8822				
Telephone #: 860-410-2904				Email Address: kjbit	jeman@lo	ureiro.com		
Project Name/Number								
Please Provide Resi						amples Take	en: PA	
				Options* - Please Che			15.	
*For TFM Air 3 hours/6 h	ours, please call at	24 Hrs nead to scho	48 Hrs edule. There is a premiu completed in accordance	m charge for 3 Hour TEM AH with EMSL's Terms and Cor	4 Days ERA or EPA nditions local	☐ 5 Days Level II TAT. ed in the Analy	You will be aske	Days ed to sign le.
PCM - Air			TEM - Air		TEM- Du			
☐ NIOSH 7400			☐ AHERA 40 CF	R, Part 763	☐ Micro	vac - ASTM	D 5755	
w/ OSHA 8hr. TW	A		☐ NIOSH 7402		☐ Wipe	- ASTM D64	180	
PLM - Bulk (reportin	g limit)		☐ EPA Level II		Carp	Sonication	(EPA 600/J-	93/167)
☑ PLM EPA 600/R-9			☐ ISO 10312		Soil/Roc	k/Vermiculi	te =	
☑ PLM EPA NOB (<1			TEM - Bulk		PLM	ARB 435 -	A (0.25% ser	nsitivity)
Point Count	S. 534.1		☐ TEM EPA NOB		PLM	CARB 435 -	B (0,1% sens	sitivity)
□ 400 (<0.25%) □ 1	000 (<0.1%)		☐ NYS NOB 198.	4 (non-friable-NY)	□ TEM	CARB 435 -	B (0,1% sens	sitivity)
Point Count w/Gravim	etric		☐ Chatfield SOP				C (0.01% se	
□ 400 (<0.25%) □ 1	000 (<0.1%)		☐ TEM Mass Ana	lysis-EPA 600 sec. 2.5	☐ EPA	Protocol (Se	mi-Quantitati	ve)
☐ NYS 198.1 (friable	in NY)		TEM - Water: EPA	A 100.2	☐ EPA	Protocol (Quantitative)		
☐ NYS 198.6 NOB (	non-friable-NY)		Fibers >10µm	Waste Drinking	Other:<	m		_
☐ NIOSH 9002 (<19	6)		All Fiber Sizes	Waste Drinking		27		
		ck For P	ositive Stop - Cle	early Identify Homoge	enous Gr	oup		
Samplers Name: Ker	vin J. Bitjeman			Samplers Signature:				
Sample #			Sample Description	•		Area (Air) (Bulk)	Date/T Samp	A CONTRACTOR OF THE PARTY OF TH
Sample #	Tar coating o			. Air handling unit on	TIA 1	(Duik)	Samp	ieu
AB-049	northwest sid	de of Bui	lding 12 roof.		Bulk		12/20/10	1
AB-050	Gray caulk of Building 12.	n flange	of central exhaust of	duct. Roof above	Bulk		12/20/10	100
AD-050	White brittle	caulk on	4" alumimum flash	ing. Southeast	Duik		12/20/10	110
AB-051	corner of Bui	Iding 10	roof.		Bulk		12/20/10 -	-4
AB-052	Foam board corner of Bui		th aluminum foil co roof.	ating. Southeast	Bulk		12/20/10	BUV
AB-053	Caulk on met	tal frame	windows. North si	de of Building 9.	Bulk		12/20/10	
AB-054	Caulk on met of Building 1	rame. Green exteri	or door on north side	Bulk		12/20/10		
AB-055	Caulk on metal door frame. Red exterior door on north Building 10.			door on north side of	Bulk		12/20/10	NOB
AB-056	Caulk on metal frame windows. North side of Building 1			de of Building 10.	Bulk		12/20/10	
Client Sample # (s):	AB-049		- AE	3-072	Total # of	Samples:	24	
Relinquished (Client	1): 1 2	30	Date:	12/21/10		Time	:17:0	70
Received (Lab):	mstructions: A	Nalvze No	Date:	12-32-10 V600/R-93/116 with Gra	vimetric F	Time	:	
Comments/opecial I	iloudouoile. A	ywo iii	onp.oo by Er /					





# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029475

EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/A		Date/Time
Sample #	Yellow corrugated transite roofing on northeast side of	HA # (E	suik)	Sampled
B-057	Building 10.	Bulk		12/20/10 - PL
B-058	Black caulk on 4" aluminum flashing strip. North side of Building 51 roof.	Bulk		12/20/10 - NO
B-059	0.5" white gypsum board under rubber membrane. East side of Building 51 upper roof.	Bulk		12/20/10 - PU
B-060	Tar on top layer of 1" foam board. East side of Building 50 roof.	Bulk		12/20/10
B-061	Tar on bottom layer of 1" foam board. East side of Building 50 roof.	Bulk		12/20/10 R
B-062	Tar pitch on metal decking.	Buik		12/20/10
B-063	2' x 4' suspended ceiling tile. Building 50.	Bulk		12/20/10 7 PL
AB-064	Sheet rock. East wall of Building 50.	Bulk		12/20/10
AB-065	Caulk on exterior metal door frame. Southwest side of Building 50.	Bulk		12/20/10
AB-066	Caulk on wide flange beam North exterior wall of Building 50.	Bulk		12/20/10
AB-067	Brown/black fiberous insulation behing caulk on wide flange beam. North exterior wall of Building 50.	Bulk		12/20/10 - PL
AB-068	Caulk on wide flange beam. East exterior wall of Building 50.	Bulk		12/20/10
B-069	Tar paper on sloped roof. Southeast side of Building 50.	Bulk		12/20/10
B-070	Asphalt shingle on sloped roof. Southeast side of Building 50.	Bulk		12/20/10
B-071	Gray caulk under wide flange beam. Parapet wal on southeast side of Building 50.	Bulk		12/20/10
B-072	Caulk on 4" copper flashing at base of parapet wall. Southeast side of Building 50. al Instructions: Analyze NOB samples by EPA/600/R-93/116 with Gr	Bulk		12/20/10
ovinnenta/apeci	ai mandonona. Analyze NOD samples by EPA/600/H-33/116 With Gr	avimetric Pre	ep.	SAMPLES FOR AN EMSLANAL
	Page & of & pages			SACO



Project:

#### EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive

Plainville, CT 06062

(860) 747-8822

07MD806

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Received:

12/28/2010

041029477

LOUR62

12/22/10 11:15 AM

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-073 041029477-0001	SOUTHEAST SIDE OF BUILDING 50 - CAULK ON 4" ALUMINUM FLASHING/ BASE OF PARAPET WALL NEAR SLOPED ROOF	Gray /White Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected
AB-081 041029477-0009	SOUTHEAST CORNER OF BUILDING 50 NEAR LUNCH ROOM - 4" GRAY COVE BASE	Gray Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected
AB-082 041029477-0010	- MASTIC TO 4" GRAY COVE BASE	Yellow Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected
AB-083 041029477-0011	DOOR TO ROOF OF CENTRAL UNIT - CAULK ON METAL FRAME	Gray Non-Fibrous Heterogeneous	97.0	None	2.9% Chrysotile
AB-084 041029477-0012	BUILDING 51 NEAR TUNNEL - CAULK AROUND METAL FRAME DOOR TO COURTYARD	Brown /Mauve Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected

Initial report f	rom	12/28/2010	15:20:47
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Analyst(s)

Melissa Klinedinst (5)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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### EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive

Plainville, CT 06062

(860) 747-8822

Project: 07MD806

Phone: (860) 747-6181

EMSL Proj:

Received: EMSL Order:

Analysis Date:

Customer ID:

Customer PO:

12/28/2010

041029477

12/22/10 11:15 AM

Achaetae

LOUR62

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asb	estos	Asbestos	
ample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type	
AB-074 041029477-0002	EAST WALL OF BUILDING 50 - JOINT COMPOUND	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	None Detected	
AB-075 041029477-0003	NORTH WALL OF BUILDING 50 - JOINT COMPOUND	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	None Detected	
AB-076 041029477-0004	WEST WALL OF BUILDING 50 - JOINT COMPOUND	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	None Detected	
AB-077 041029477-0005	SOUTH WALL OF BUILDING 50 - JOINT COMPOUND	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	None Detected	
AB-078 041029477-0006	WEST WALL OF BUILDING 50 - SHEET ROCK	Gray/Tan Fibrous Heterogeneous	20%	Cellulose	80% Non-fibrous (other)	None Detected	
AB-079 041029477-0007	NORTH WALL OF BUILDING 50 - SHEET ROCK	Gray Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	None Detected	

nitial report from 12/28/2010 15:20:47	
Analyst(s)	Style Siegel
Melissa Klinedinst (7)	Stephen Siegel, CIH, Laboratory Manager

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 786-5974 Email: westmontasblab@EMSL.com Phone: (800) 220-3675

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive

Description

SOUTH WALL OF

BUILDING 50 -

SHEET ROCK

Plainville, CT 06062

(860) 747-8822 Fax:

Project: 07MD806

Sample

AB-080

041029477-0008

Phone: (860) 747-6181

Appearance

Gray/Tan

Fibrous

Heterogeneous

EMSL Proj:

Analysis Date:

Customer ID:

Customer PO: Received:

EMSL Order:

12/28/2010

041029477

12/22/10 11:15 AM

LOUR62

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Asbestos Non-Asbestos % Non-Fibrous % Type **Fibrous** None Detected 80% Non-fibrous (other) 20% Cellulose

Initial report from 12/28/2010 15:20:47

Analyst(s)

Melissa Klinedinst (7)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036



### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041029477

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

					EN	VISL-BI	I to: 🖂 S	ame LI Diffe	ments**	
Company : Loureiro E	ingineering Ass	ociates	#: LOUR62					tructions in Com		rtv.
Street: 100 Northwest				Third Party Billing requires written			n authorization	non uno pa	(0)	
City: Plainville		State/Provi	nce: CT	Zip/Postal Code: 06062 Country: USA			y. USA	SAN		
Report To (Name): Ke	evin J. Bitjeman	i.		Fax #: 8						3 5
Telephone #: 860-41				Email Ad	dress:	kjbitje	man@lou	reiro.com		- Fi
The state of the s										- (0
Project Name/Numbe Please Provide Resu		Email F	Purchase Orde	r:				mples Taker	1: PA	4.0
Flease i Tovido Tibul		Turnarou	ind Time (TAT)	Options*	- Please	e Chec	K Davis	☐ 5 Days	□ 10	Days.
3 Hours 6	Hours 2	71110	☐ 48 Hrs	3 Da	-	Ø 4	DA OF EDA	QUALITAT V	ou will be aske	d to sign
*For TEM Air 3 hours/6 h	ours, please call ahe orm for this service.	ead to schedule Analysis comp	n.*There is a premit pleted in accordance	e with EMSL	's Terms	and Conc			cal Price Guide	2. (II) 14
PCM - Air	ann for this service.	TE	M - Air				I tentiti to to		200	18
☐ NIOSH 7400			AHERA 40 CF	R, Part 763	3	1		ac - ASTM D		
w/ OSHA 8hr. TW	A		<b>NIOSH 7402</b>				Wipe	ASTM D648	30	00/467)
PLM - Bulk (reporting			EPA Level II					t Sonication		93/10/)
☑ PLM EPA 600/R-9			ISO 10312					k/Vermiculit		70 -
☑ PLM EPA NOB (<1		TE	M - Bulk				☐ PLM (	ARB 435 - A	(0;25% Sei	sitivity)
Point Count			TEM EPA NOE	3	700. 2 127320		☐ PLM (	ARB 435 - E	0.1% sen	eitivity)
☐ 400 (<0.25%) ☐ 1	000 (<0.1%)		NYS NOB 198		ble-NY)		☐ TEM	CARB 435 - 0	C (0, 17% sen	nsitivity)
Point Count w/Gravim			Chatfield SOP			0.5	L LEWI	rotocol (Sen	ni-Orantitati	ve)
□ 400 (<0.25%) □ 1			TEM Mass An		600 sec	2.5		Protocol (Qua		-
☐ NYS 198.1 (friable			EM - Water: EP					TOLOCOI (QUA	artition(se)	
☐ NYS 198.6 NOB (			bers >10μm		Drink	1935 <u>0</u> 4	Other:			
☐ NIOSH 9002 (<19	2.5	Al	Il Fiber Sizes	] Waste [	_ Drink	ang				
	☐ Chec	k For Pos	itive Stop - C	learly Ide	ntity H	omoge	enous Gr	oup		
				Sample	ers Sign	nature:				
Samplers Name: Ke	vin J. Bitjeman			1 Jampie	5.91		Volume	Area (Air)	Date/	
Sample #		Sai	mple Description	on				(Bulk)	Sam	pled
Sample #	Caulk on 4" a	duminum fla	ashing. Base o	of parapet wall near				12/20/10 -	-1101	
AB-073	sloped roof.	Southeast :	side of Building	g 50.			Bulk	-	12/20/10	100
		and East u	rall of Building	50			Bulk		12/20/10	7
AB-074	Joint compou	und. East v	vall of Building	00.	-111-111-115					\
AB-075	Joint compo	und. North	wall of Buildin	g 50.			Bulk		12/20/10	+
AD-073							Bulk		12/20/10	1
AB-076	Joint compo	und. West	wall of Building	3 50.			Dunk			DL
	loint compo	und South	wall of Buildin	ng 50.			Bulk		12/20/10	1
AB-077									12/20/10	1
AB-078	Sheet rock.	West wall o	f Building 50.		_		Bulk		12/20/10	1
							Bulk		12/20/10	
AB-079	Sheet rock.	North Wall	of Building 50.							7
AB-080	Sheet rock.	South wall	of Building 50.				Bulk		12/20/10	
	100000000000000000000000000000000000000			AB-084			Total # o	Samples:	12	
Client Sample # (s)	1/1	2	4.1		1.	. 1.	0	Time	e:	
Relinquished (Clien	nt): / /	But	Date Date	100	121		0	11111	-	
Deschart (I sh)	ank.	11-12	Date	: 13-	39.	01-		Tim	e:	
Received (Lab): Comments/Specia	Instructions: A	Analyze NO	3 samples by E	PA/600/R-	93/116	with Gr	avimetric	Prep.		
Commentarapecia	Williams.		(47)							
TOTAL TO BENEFIT OF THE PARTY								_		_



### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

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EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AB-081	4" gray cove base. Southeast corner of Building 50 near lunch room.	Bulk	12/20/16
AB-082	Mastic to 4" gray cove base.	Bulk	12/20/10
AB-083	Caulk on metal frame of access door to roof of Central Unit.	Bulk	12/20/10
AB-084	Caulk around metal frame of door to courtyard. Building 51 near tunnel.	Bulk	12/20/10
× V			
			10
			REGE NIMATIN DEC 22
			PM 12: 22
			10
			TO SAM
TO THE THE TAXABLE PARTY.		-	. 07
- A SHIRE HE			20
			138
			, KB
AB-072			
*Comments/Spec	ial Instructions: Analyze NOB samples by EPA/600/R-93/116 with (	Gravimetric Prep.	



200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 786-5974 Email: westmontasblab@EMSL.com Phone: (800) 220-3675

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive Plainville, CT 06062

LOUR62

Customer ID: Customer PO: Received:

01/05/11 9:00 AM

EMSL Order:

041100190

(860) 747-8822

Project: 07MD806

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

1/11/2011

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-085 041100190-0001	FACTORY OFFICE BLDG/ SOUTH SIDE OF BLDG. 1ST FLOOR - WINDOW GLAZING	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-086 041100190-0002	FACTORY OFFICE BLDG/ SOUTH SIDE OF BLDG. AT - CAULK ON METAL WINDOW FRAME	Gray /White Fibrous Homogeneous	98.0	None	1.9% Chrysotile
AB-087 041100190-0003	FACTORY OFFICE BLDG/ NORTH SIDE OF BLDG. 1ST FLOOR - WINDOW GLAZING	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-088 041100190-0004	FACTORY OFFICE BLDG/NORTH SIDE OF BLDG. FLOOR 1 - CAULK ON METAL WINDOW FRAME	Gray /Tan Fibrous Homogeneous	98.0	None	2.0% Chrysotile
AB-089 041100190-0005	EAST END OF FACTORY OFFICE BLDG CAULK BETWEEN WALL AND METAL FRAME STAIRS	White /Green Fibrous Homogeneous	99.0	None	0.8% Chrysotile
AB-090 041100190-0006	BUILDING 1 MENS ROOM - 12" X 12" GREEN FLOOR TILE WITH TAN STREAKS	Gray /Tan Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected

Analyst(s)	Style Sign
Dave Poitras (22)	Ctarter Start City Laborator Manager

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NYS ELAP 10872

Initial report from 01/11/2011 11:58:46



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive Plainville, CT 06062

Customer ID:

LOUR62

Customer PO: Received:

01/05/11 9:00 AM

EMSL Order:

041100190

Fax:

Project: 07MD806

(860) 747-8822

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

1/11/2011

## Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	
AB-091 041100190-0007	BUILDING 1 MENS ROOM - MASTIC 12" X 12" GREEN FLOOR TILE WITH TAN STREAKS	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
AB-093 041100190-0009	WEST EXTERIOR WALL OF BUILDING 3 - DARK GRAY CAULK IN EXPANSION JOINTS OF BRICK FAÇADE	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
AB-094 041100190-0010	PARAPET WALL ON ROOF ABOVE BOILER ROOM - GRAY/TAN CAULK RESIDUE ON COPING SEAMS	Brown /Gray Fibrous Homogeneous	100.0	0.3 Glass	No Asbestos Detected	
AB-095 041100190-0011	EAST FACING WINDOWS ABOVE BUILDING 8 RECEIVING ARE - CAULK ON METAL FRAME WINDOWS	Gray /Green Fibrous Homogeneous	100.0	None	<0.25% Chrysotile	
AB-096 041100190-0012	EAST FACING WINDOWS ABOVE BLDG. 8 RECEIVING AREA - WINDOW GLAZING	Brown /Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	
AB-097 041100190-0013	SOUTH EXTERIOR WALL OF BUILDING 1A AND 2A - WHITE CAULK IN EXPANSION JOINTS FOR MASONRY FAÇADE	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Initial report from 01/11/2011 11:58:46

Analyst(s)

Dave Poitras (22)

State Sign

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive Plainville, CT 06062

Received:

LOUR62

Customer ID: Customer PO:

01/05/11 9:00 AM

EMSL Order:

041100190

Fax: Project:

(860) 747-8822 07MD806 Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

1/11/2011

## Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES				
AB-098 041100190-0014	SOUTH EXTERIOR WALL OF BUILDINGS 9 AND 10 - TAN CAULK IN EXPANSION JOIINTS FOR BRICK FAÇADE	Tan Fibrous Homogeneous	100.0	None	No Asbestos Detected				
AB-099 041100190-0015	NORTH WALL OF BUILDING 9 - CAULK ON EDGES OF WIDE FLANGE BEAM IN CONCRETE BLOCK WALL Gray /White Non-Fibrous Homogeneous		9 - CAULK ON EDGES OF Non-Fibrous WIDE FLANGE BEAM IN Homogeneous		9 - CAULK ON EDGES OF Non-Fibrous WIDE FLANGE BEAM IN Homogeneous		100.0	None	0.4% Chrysotile
AB-100 041100190-0016	NORTH EXTERIOR WALL OF BUILDING 9 - TAN CAULK IN EXPANSION JOINT FOR CONCRETE BLOCK WALL	Brown /Gray /White Fibrous Homogeneous	99.0	None	0.6% Chrysotile				
AB-101 041100190-0017	NORTH WALL OF BUILDING 10 - TAN CAULK ON EDGES OF WIDE FLANGE BEAM IN CONCRETE BLOCK WALL	Brown /White Fibrous Homogeneous	99.0	None	0.8% Chrysotile				
AB-102 041100190-0018	NORTH EXTERIOR WALL OF BUILDING 10 - CAULK ON METAL FRAME OF BROWN DOUBLE-DOORS	Gray /Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected				

Initial report from 01/11/2011 11:58:46

Analyst(s)

Dave Poitras (22)

State Sign

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Kevin J. Bitjeman

Loureiro Engineering Associates, Inc.

100 Northwest Drive Plainville, CT 06062

Received:

01/05/11 9:00 AM

EMSL Order:

Customer ID:

Customer PO:

041100190

LOUR62

(860) 747-8822 Fax:

Project:

07MD806

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

1/11/2011

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-103 041100190-0019	LUNCH ROOM IN NORTHWEST CORNER OF BUILDING 12 - 12" X 12" BLUE FLOOR TILE	Brown /Blue Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-104 041100190-0020	LUNCH ROOM IN NORTHWEST CORNER OF BUILDING 12 - MASTIC TO 12" X 12" BLUE FLOOR TILE	Brown /Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-106 041100190-0022	SOUTH EXTERIOR WALL OF BUILDING 12 - WHITE/ GRAY CAULK IN EXPANSION JOINTS FOR CONCRETE BLOCK WALL	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-107 041100190-0023	NORTH SIDE OF BUILDING 12 - CAULK ON METAL FRAMES OF WALL VENTS	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-108 041100190-0024	NORTHEAST CORNER OF BUILDING 12 - CAULK ON FRAME OF RED EXTERIOR METAL DOOR	Brown /Pink Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected

Initial report from 01/11/2011 11:58:46

Analyst(s)

Dave Poitras (22)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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### EMSL Analytical, Inc.

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Customer ID:

EMSL Order:

Customer PO:

Analysis Date:

1/11/2011

041100190

LOUR62

01/05/11 9:00 AM

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Ash	<u>estos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-092 041100190-0008	BUILDING 1 MENS ROOM ABOVE SUSPENDED CEILING - 12" X 12" ACOUSTICAL CEILING TILE	Brown/White Fibrous Heterogeneous	90%	Cellulose	10% Non-fibrous (other)	None Detected
AB-105 041100190-0021	MENS ROOM ON NORTH SIDE OF BUILDING 12 - 2' X 4' SUSPENDED CEILING TILE	Fibrous Homogeneous	70%	Min. Wool	30% Non-fibrous (other)	None Detected

Initial report from 01/11/2011 11:58:46	
Analyst(s)	Style Sign!
Dave Poitras (2)	Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041100190

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

Company : Loureiro Engineering Associates #: LOUR62				EMSL	Bill to: 🗵	Same 🗆	ifferent	
Street: 100 Northwest Drive								
City: Plainville	St Dilve	Ctata /D	manife and CVP		tten authorization from third party			
	Vanda I Bistama		rovince: CT	Zip/Postal Code: 06062 Country: USA				
Report To (Name): I		in		Fax #: 860-747-8822				
Telephone #: 860-4				Email Address: kjb	itjeman@l	oureiro.com	1	
Project Name/Numb Please Provide Res		⊠ Email	D					
Flease Flovide Nes	ults: Fax	⊠ Email				amples Tak	en: PA	
☐ 3 Hours ☐ 6	Hours	24 Hrs	48 Hrs	Options* - Please Ch	4 Days	<b>⊠</b> 5 Days	- 171	0 Davs
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PCM - Air	orm for this service.	Analysis	TEM - Air	with EMSL's Terms and C	onditions loca	ited in the Anal	ytical Price Gui	
□ NIOSH 7400			☐ AHERA 40 CFF	Dort 762	TEM- D		D =755	de S FOR
☐ w/ OSHA 8hr. TW	Α		☐ NIOSH 7402	1, Fall 700		ovac - ASTM - ASTM D6		2 2
PLM - Bulk (reporting	1001		☐ EPA Level II			Company of the second		ODE ON
☑ PLM EPA 600/R-9	CONTRACTOR OF STREET		☐ ISO 10312			et Sonication ck/Vermicul		-98(107)
☑ PLM EPA NOB (<1	The second second second		TEM - Bulk			CARB 435 -		080
Point Count	A D		☐ TEM EPA NOB			CARB 435 -		
□ 400 (<0.25%) □ 1	000 (<0.1%)		☐ NYS NOB 198.4	(non-friable-NY)		CARB 435 -		
Point Count w/Gravim	etric		☐ Chatfield SOP	,	☐ TEM	CARB 435 -	C (0.01% se	ensitivity)
□ 400 (<0.25%) □ 1	000 (<0.1%)		☐ TEM Mass Anal	ysis-EPA 600 sec. 2.5		Protocol (Se		
☐ NYS 198.1 (friable	in NY)		TEM - Water: EPA			Protocol (Qu		,
☐ NYS 198.6 NOB (r	non-friable-NY)		Fibers >10µm □	Waste Drinking	Other:		1	ra im
☐ NIOSH 9002 (<1%	a)		All Fiber Sizes	Waste Drinking			J =	100
	☐ Chec	k For Po	ositive Stop - Cle	arly Identify Homog	enous G	oup	7 0	
Samplers Name: Kev	in J. Bitjeman			Samplers Signature			<b>9</b> 12	6
Sample #		S	Sample Description	A STATE OF THE STA		/Area (Air) (Bulk)	Date/1	TOTAL STATE OF
AB-085	Factory Office building. Firs	Building	g window glazing.		Bulk	(Duik)		neu
			v frame. Factory of	fice building. South	Duik		01/03/11	
AB-086	side of buildin	g at roof	level. First floor.		Bulk		01/03/11	
AB-087	Factory Office building. First	Building	g window glazing. I	North side of				
AD-007			v frame Factory of	fice building. North	Bulk	112	01/03/11	
AB-088	side of buildin	g. Floor	1.	8.	Bulk	NOS	01/03/11	
AB-089	Caulk between Factory Office	wall and Building	d metal frame stairs	s. East end of	Bulk		01/03/11	
AB-090	12" x 12" gree Room.	n floor til	le with tan streaks.	Building 1 Mens	Bulk		01/03/11	
AB-091	Mastic to 12" x 12" green floor tile with ta Mens Room.			n streaks. Building 1				
					Bulk		01/03/11	
AB-092 12" x 12" acoustical ceiling tile. Building suspended ceiling.			1 Mens Room above	Bulk —	Brw	01/03/11		
Client Sample # (s): AB-085 - AB-				108	Total # of	Samples:	24	
Relinquished (Client): 1 Bate: /				14/11		Time		,
Received (Lab): Date:				1-5-11		Time		
Comments/Special In	structions: Ana	ilyze NOI	B samples by EPA/	600/R-93/116 with Gra	vimetric P	rep.		
Sent	VIA Fa	OEX						



### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041100190

EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 Fax: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description		e/Area (Air) # (Bulk)	Date/Time Sampled
AB-093	Dark gray caulk in expansion joints of brick façade. West exterior wall of Building 3.	Bulk~		01/03/11
AB-094	Gray/tan caulk residue on coping seams. Parapet wall on roof above Boiler Room.	Bulk		01/03/11
AB-095	Caulk on metal frame windows. East facing windows above Building 8 Receiving Area.	Bulk		01/03/11
AB-096	Window glazing. East facing windows above Building 8 Receiving Area.	Bulk		01/03/11
AB-097	White caulk in expansion joints for masonry façade. South exterior wall of Buildings 1A and 2A.	Bulk		01/03/11
AB-098	Tan caulk in expansion joints for brick façade. South exterior wall of Buildings 9 and 10.	Bulk		01/03/11
AB-099	Caulk on edges of wide flange beam in concrete block wall.  North wall of Building 9.	Bulk	8	01/03/11
AB-100	Tan caulk in expansion joint for concrete block wall. North exterior wall of Building 9.	Bulk	ho	01/03/11
AB-101	Tan caulk on edges of wide flange beam in concrete block wall. North wall of Building 10.	Bulk		01/03/11
AB-102	Caulk on metal frame of brown double-doors. North exterior wall of Building 10.	Bulk		01/03/11 O1/03/11 O1/03/11 O1/03/11
AB-103	12" x 12" blue floor tile. Lunch room in northwest corner of Building 12.	Bulk		01/03/11 CAL I
AB-104	Mastic to 12" x 12" blue floor tile. Lunch room in northwest corner of Building 12.	Bulk		01/03/11
AB-105	2' x 4' suspended ceiling tile. Mens Room on north side of Building 12.	Bulk	PLM	61703/11
AB-106	White/gray caulk in expansion joints for concrete block wall.  South exterior wall of Building 12.	Bulk		61/03/11 A
AB-107	Caulk on metal frames of wall vents. North side of Building 12.	Bulk	NOB	01/03/11
	Caulk on frame of red exterior metal door. Northeast corner of	Bulk	)	01/03/11



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Loureiro Engineering Associates, Inc.

100 Northwest Drive Plainville, CT 06062

Customer ID: Customer PO: LOUR62

Received:

01/05/11 9:00 AM

EMSL Order:

041100193

(860) 747-8822 Fax: 07MD806

Project:

Phone: (860) 747-6181

EMSL Proj:

Analysis Date:

1/11/2011

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-109 041100193-0001	LUNCH ROOM ON SOUTH SIDE OF BUILDING 50 - 12" X 12" BEIGE FLOOR TILE	Gray Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-110 041100193-0002	LUNCH ROOM ON SOUTH SIDE OF BUILDING 50 - MASTIC TO 12" X 12" BEIGE FLOOR TILE	Brown /Black Non-Fibrous Homogeneous	99.0	None	1.5% Chrysotile
AB-111 041100193-0003	WEST EXTERIOR WALL OF BUILDING 50 - BLACK CAULK IN EXPANSION JOINTS FOR BRICK FAÇADE	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-112 041100193-0004	ATTACHED BUILDING AT SOUTHEAST CORNER OF BLDG. 50 - CAULK IN EXPANSION JOINTS FOR CONCRETE BLOCK WALL	White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-113 041100193-0005	SOUTH EXTERIOR WALL OF BUILDING 50 - CAULK IN EXPANSION JOINTS FOR MASONRY FAÇADE	Gray /White Non-Fibrous Homogeneous	100.0	0.5 Fibrous (other)	0.3% Anthophyllite
suggest 1	TEM				

Initial	report	from	01/11/2011	09:2	4:28

Analyst(s)

Melissa Klinedinst (12)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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EMSL Proj:

EMSL Order:

Received:

Customer ID:

Customer PO:

Analysis Date:

1/11/2011

LOUR62

041100193

01/05/11 9:00 AM

## Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-114 041100193-0006	SOUTHWEST SIDE OF BUILDING 50 - MULTI- LAYERED CAULK IN 1" WIDE EXPANSION JOINT FOR MASONRY FAÇADE	Gray /White /Black Non-Fibrous Homogeneous	93.0	1.1 Fibrous (other)	5.7% Chrysotile
suggest	TEM				
AB-115 041100193-0007	EAST EXTERIOR WALL OF TUNNEL ENCLOSURE - TAN CAULK ON EDGES OF FWIDE FLANGE BEAM IN EXTERIOR CONCRETE BLOCK WALL	Brown /Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-116 041100193-0008	BUILDING 51 SOUTH EXTERIOR WALL - TAN CAULK IN EXPANSION JOINTS FOR EXTERIOR BRICK FAÇADE	Tan Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-117 041100193-0009	DOUBLE DOOR TO DOCK 5 - WHITE CAULK ON METAL FRAME	Gray /White /Green Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-118 041100193-0010	SOUTH EXTERIOR WALL OF BUILDING 51A - WHITE CAULK IN EXPANSION JOINTS FOR CONCRETE BLOCK WALL	Gray /White Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected

Initial report from 01/11/2011 09:24:28

Analyst(s)

Melissa Klinedinst (12)

Styple Slegis

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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1/11/2011

### Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
AB-120 041100193-0012	WEST EXTERIOR WALL OF TUNNEL ENCLOSURE - CAULK ON EDGES OF WIDE FLANGE BEAM	Gray /Purple Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
AB-121 041100193-0013	SOUTH INTERIOR WALL OF TUNEL ENCLOSURE NEAR BLDG51 - TAN CAULK ON EDGES OF WIDE FLANGE BEAM	Tan /White Non-Fibrous Homogeneous	99.0	None	1.5% Chrysotile

Initial report from 01/11/2011 09:24:28

Analyst(s)

Melissa Klinedinst (12)

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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100 Northwest Drive Plainville, CT 06062

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Fax: Project: 07MD806 Customer ID:

LOUR62

Customer PO: Received:

01/05/11 9:00 AM

EMSL Order:

041100193

EMSL Proj:

Analysis Date:

1/11/2011

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

		Non-A			estos	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
AB-119 041100193-0011	NORTH WALL OF BUILDING 51 - WHITE MASONRY MATERIAL IN 6" WIDE WALL PENTRATION FOR FORMER WIDE FLANGE BEAM	Cream Fibrous Heterogeneous	20%	Cellulose	80% Non-fibrous (other)	None Detected

Initial report from 01/11/2011 09:24:28	
Analyst(s)	Style Siegel

Stephen Siegel, CIH, Laboratory Manager or other approved signatory

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Melissa Klinedinst (1)



# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041100193

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (856) 858-4800 FAX: (856) 858-4960

Company : Loureiro	Engineering As	sociate	s #: LOUR62	EMSL:	-Bill to: 🛛	Same D	Different
Street: 100 Northwe	The state of the s	0001410	#. LOONOZ				
City: Plainville	St Dilve	Ctoto/F	Province: CT			itten authorization from third party	
Report To (Name): I	Kovin I Ditiomer		rovince: C1	Zip/Postal Code: 060		Cou	intry: USA
			Fax #: 860-747-8822				
Telephone #: 860-4			Email Address: kjbi	tjeman@lo	ureiro.com	1	
Project Name/Numb Please Provide Res		▽ Emai	I Burahasa Ouda				
ricase riovide nes	uns rax [	⊠ Emai				amples Tak	cen: PA
□ 3 Hours □ 6	Hours 2	4 Hrs	48 Hrs	Options* – Please Che	4 Days	☐ 5 Days	s 🔲 10 Days
*For TEM Air 3 hours/6 h	hours, please call ahe	ead to sch	edule. *There is a premius	n charge for 3 Hour TEM AL	HERA OF EPA	Laval II TAT	Vou will be solved to sine
PCM - Air	form for this service.	Analysis	completed in accordance	with EMSL's Terms and Co	onditions loca	ed in the Anal	ytical Price Guide.
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w/ OSHA 8hr. TW	Δ		AHERA 40 CFF	1, Part /63	1000000	vac - ASTM	D A
PLM - Bulk (reporting			□ NIOSH 7402		V ==	- ASTM D6	7 7
☑ PLM EPA 600/R-9	The state of the s		EPA Level II		-		n (EPA 600/J-93/167)
197			☐ ISO 10312			k/Vermicul	-
PLM EPA NOB (<1	1%)		TEM - Bulk				A (0.25% sensitivity)
Point Count	000 / -0 40/)		TEM EPA NOB				B (0.1% sensitivity)
☐ 400 (<0.25%) ☐ 1	-0.0		NYS NOB 198.4	(non-friable-NY)			B (0.1% sensitivity)
☐ 400 (<0.25%) ☐ 1			Chatfield SOP				C (0.01% sensitivity)
네 프로마니아 (아이는 ) 아이는 아이를 보고 있다.							mi-Quantitative)
NYS 198.1 (friable			TEM - Water: EPA			Protocol (Qu	uantitative)
☐ NYS 198.6 NOB (r			Fibers >10µm				
☐ NIOSH 9002 (<1%			All Fiber Sizes				
	Cneck	( For P	ositive Stop – Cle	arly Identify Homog	enous Gr	pup	
							20134
Samplers Name: Kev	in J. Bitjeman			Samplers Signature:			22
Samplers Name: Kev	rin J. Bitjeman	5	Sample Description	Samplers Signature:		Area (Air)	Date/Time
Sample #	12" x 12" beige		Sample Description			'Area (Air) (Bulk)	2 5
	12" x 12" beige Building 50.	floor ti	le. Lunch room on	south side of			Date/Time
Sample #	12" x 12" beige Building 50. Mastic to 12" x	floor ti	le. Lunch room on		HA #		Date/Time Sampled
Sample #	12" x 12" beige Building 50. Mastic to 12" x of Building 50.	floor ti	le. Lunch room on ge floor tile. Lunch	south side of room on south side	HA#		Date/Time Sampled
Sample #	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in e wall of Building	12" bei expansi 50.	le. Lunch room on ge floor tile. Lunch on joints for brick f	south side of room on south side açade. West exterior	HA #		Date/Time Sampled
Sample # AB-109 AB-110 AB-111	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in e wall of Building Caulk in expans	e floor ti 12" bei expansi g 50. sion joi	le. Lunch room on ge floor tile. Lunch on joints for brick f nts for concrete blo	south side of room on south side açade. West exterior ck wall. Attached	Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11
Sample # AB-109 AB-110	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in e wall of Building Caulk in expans building at sou	e floor ti 12" bei expansi g 50. sion joi theast o	le. Lunch room on ge floor tile. Lunch on joints for brick f nts for concrete blo corner of Building 5	south side of room on south side açade. West exterior ck wall. Attached 0.	Bulk Bulk		Date/Time Sampled 01/03/11
Sample # AB-109 AB-110 AB-111	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in e wall of Building Caulk in expans building at sou	e floor ti 12" bei expansi g 50. sion joi theast o sion joi	le. Lunch room on ge floor tile. Lunch on joints for brick f nts for concrete blo	south side of room on south side açade. West exterior ck wall. Attached 0.	Bulk Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in e wall of Building Caulk in expan- building at sou Caulk in expan- wall of Building Multi-layered ca	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in	le. Lunch room on ge floor tile. Lunch on joints for brick for this for concrete blocorner of Building 5 nt for masonry faça	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior	Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in exall of Building Caulk in expan- building at sou Caulk in expan- wall of Building Multi-layered ca façade. Southy	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid	le. Lunch room on ge floor tile. Lunch on joints for brick for the force of Building 5 ont for masonry faça 1" wide epxansion jude of Building 50.	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry	Bulk Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in wall of Building Caulk in expan- building at sou Caulk in expan- wall of Building Multi-layered ca façade. Southy Tan caulk on ea	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of	le. Lunch room on ge floor tile. Lunch on joints for brick for this for concrete blocorner of Building 5 nt for masonry faça	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry	Bulk Bulk Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114	12" x 12" beige Building 50. Mastic to 12" x of Building 50. Black caulk in wall of Building Caulk in expan- building at sou Caulk in expan- wall of Building Multi-layered ca façade. Southy Tan caulk on ed block wall. Eas	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	le. Lunch room on ge floor tile. Lunch on joints for brick for this for concrete blocorner of Building 5 nt for masonry faça " wide epxansion jude of Building 50, wide flange beam in or wall of tunnel en	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in wall of Building Caulk in expansional of Building at sour Caulk in expansional of Building Multi-layered cafaçade. Southy Tan caulk on explock wall. East	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	le. Lunch room on ge floor tile. Lunch on joints for brick for this for concrete blocorner of Building 5 nt for masonry faça " wide epxansion jude of Building 50. wide flange beam in or wall of tunnel endages.	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk		Date/Time Sampled 01/03/11 01/03/11 01/03/11 01/03/11 01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115  AB-116	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in expansion building at sou Caulk in expansion wall of Building Multi-layered cance and the sound Tan caulk on each block wall. East Tan caulk in expansion Building 51 sound Building 50 sound Building 51 sound Building 50 sound Building 51 so	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	le. Lunch room on ge floor tile. Lunch on joints for brick for the form of Building 5 and for masonry faça "wide epxansion jude of Building 50. wide flange beam in or wall of tunnel entrior wall.	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk	(Bulk)	Date/Time Sampled  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115  AB-116  Client Sample # (s):	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in expansion of Building at sour Caulk in expansion of Building at sour Caulk in expansion of Building Multi-layered cafaçade. Southwall of Building 51 sour Caulk in expansion o	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	le. Lunch room on ge floor tile. Lunch on joints for brick for the form of Building 5 and for masonry faça to the floor masonry floor floor masonry floor floor masonry floor floor masonry floor floo	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk	(Bulk)	Date/Time Sampled  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  13
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115  AB-116  Client Sample # (s):  Relinquished (Client):	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in expansion of Building at sour Caulk in expansion of Building at sour Caulk in expansion of Building Multi-layered cafaçade. Southwall of Building 51 sour Caulk in expansion o	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	le. Lunch room on ge floor tile. Lunch on joints for brick for the form of brick for the form of Building 5 and for masonry faça and the floor masonry facts are of Building 50. Wide flange beam in or wall of tunnel end in joints for exterior frior wall.  - AB-Date:	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk	(Bulk) Samples:	Date/Time Sampled  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  13  17:00
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115  Client Sample # (s):  Relinquished (Client):  Received (Lab):	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in expansion building at sou Caulk in expansion wall of Building Multi-layered cafaçade. Southwall of Building Tan caulk on explock wall. East Tan caulk in expulsion building 51 southwall.	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri	ge floor tile. Lunch on joints for brick f ints for concrete blo corner of Building 5 int for masonry faça  " wide epxansion j le of Building 50. wide flange beam in or wall of tunnel en in joints for exterior rior wall.  AB- Date:	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure. orick façade.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Total # of	(Bulk) Samples:	Date/Time Sampled  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  13  17:00
Sample #  AB-109  AB-110  AB-111  AB-112  AB-113  AB-114  AB-115  Client Sample # (s):  Relinquished (Client):  Received (Lab):	12" x 12" beige Building 50.  Mastic to 12" x of Building 50.  Black caulk in expansion building at sou Caulk in expansion wall of Building Multi-layered cafaçade. Southwall of Building Tan caulk on explock wall. East Tan caulk in expulsion building 51 southwall.	e floor ti 12" bei expansi g 50. sion joi theast o sion joi g 50. aulk in west sid dges of st exteri pansior uth exte	ge floor tile. Lunch on joints for brick f ints for concrete blo corner of Building 5 int for masonry faça  " wide epxansion j le of Building 50. wide flange beam in or wall of tunnel en in joints for exterior rior wall.  AB- Date:	south side of room on south side açade. West exterior ck wall. Attached 0. de. South exterior oint for masonry n exterior concrete closure.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Total # of	(Bulk) Samples:	Date/Time Sampled  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  01/03/11  13  17:00



### Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

041100193

EMSL ANALYTICAL, INC. 107 HADDON AVENUE WESTMONT, NJ 08108

PHONE: (856) 858-4800 FAX: (856) 858-4960

## Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	HA	/Area (Air) (Bulk)	Date/Time Sampled
AB-117	White caulk on metal frame of double door to Dock 5.	Bulk -	. 100	01/03/11
AB-118	White caulk in expansion joints for concrete block wall. South exterior wall of Building 51A.	Bulk	(00)	01/03/11
AB-119	White masonry material in 6" wide wall pentration for former wide flange beam. North wall of Building 51.	Bulk /	PUN	01/03/11
AB-120	Caulk on edges of wide flange beam. West exterior wall of tunnel enclosure.	Bulk	NIDE	01/03/11
AB-121	Tan caulk on edges of wide flange beam. South interior wall of tunel enclosure near Building 51.	Bulk	(000	01/03/11
				= 0
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				AM ION. N
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		1.1		
		<b>1</b>		A ST
				ANAL
				YTICA
*Comments/Specia	al Instructions: Analyze NOB samples by EPA/600/R-93/116 with Gra	vimetric	Prep.	2 8 Y